

SEQUENCE LISTING

<210> 1
<211> 27
<212> DNA
5 <213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Erk5-specific
primer
<400> 1
10 cagccattcg atgtgggccc acgcta 26

<210> 2
<211> 25
<212> DNA
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<223> Description of Artificial Sequence: Erk5-specific
primer
<400> 2
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<210> 3
<211> 802
<212> DNA
25 <213> Mus musculus
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<221> misc_feature
<222> (1)..(38)
<223> partial sequence of exon 2 from Erk5 gene
30 <400> 3
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gcggttgaac ccagagtgat gcgggctgtg agtccaggac attggtaggg acagtcttta 180
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ggacagatcc aaattgtaag acaacggaca caatacattg tagtgtcaca cagcagtgtc 480
ctcatggcag acaactaatt attcacagaa tacctcctta aaaatagagt cttcaacata 540

gctttttcag tagctgttgg caaactgtag agtttgctct aaaattaacc atactggcca 600
atcttggttag atttgaatat ttctataaaa aaaatttttt ttgacagaaa ttangtccat 660
ggagaaagtg atttgtcaga aagcttgtaa aaaagtttgg ggctnggaaa aaacccgatt 720
cggtgattaa gatcactcga tcttttaaaa gggacttggc ttttaantncc ataatggmct 780
5 ttcaccgggg ggcntaaact tt 802

<210> 4

<211> 794

<212> DNA

10 <213> Mus musculus

<220>

<221> misc_feature

<222> (1)..(794)

<223> Partial sequence of 3' Erk5-specific primer

15 <220>

<221> misc_feature

<222> (547)..(794)

<223> Partial sequence of exon 3 from the Erk 5 gene

<400> 4

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naccagggc acccaagtag tacacatacg ttcaggaaan catacacata cgtttaagaa 180
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25 aagcaagttc caggccagat aaggctacac agacatcttg tcttgaaaaa aagaaagaaa 360
gaatgaaagt tgtagaaaac ctaaaacccg gtgnnnaant ccncncttcc catgntgtta 420
gtcctttggg gtttcaactgt aaggccataa cctcaggaat tgggagtgcc aggggacgga 480
gtgccagggg gggcttctcc ctgtgatgtg aggaggctag ctacccggtt tcttccatt 540
ttcagctatg tggtagtgga cctcatggag agcgacctac accagatcat tcaactctca 600
30 cagccgctca cccgtgaaca tgtgagatac ttcctgtacc agctgcttcg gggcctcaaa 660
tacatgcaact ctgctcaggt catccaccgt gatcttaaac cctctaacct tctgggtcaat 720
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tgccgagcac caga 794

35 <210> 5

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<212> DNA

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<221> misc_feature
<222> (1)..(632)
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gtcttcattc tcagccacaa tggcctcctt aatgcgctcc ctggtaaggg cttcacgggt 240
caaaagcaaa gtcaaaagggt ggggcgcaat caggetcatc atcaggggtca tgggtacttag 300
10 ccagaagggg tgcgaaggca gcagcagtna gattcgggcn ctgggttcaa ntcgcaccat 360
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aggttgccct ggtggcaggc tctggatata ggctcgcacc ctttcagccc ccacagcctg 480
aatcacagct ggtgacggag ttcccaacac catcatgatc agctgtaact ggtgcacgta 540
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15 ccagagggtcg attgcctgcg gtatactcgt gc 632

<210> 6
<211> 617
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20 <213> Mus musculus
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<221> misc_feature
<222> (456)..(617)
<223> partial sequence of *NheI-EcoRI* fragment in targeting construct
25 <221> misc_feature
<222> (456)..(617)
<223> partial sequence of exon2 from the Erk 5 gene
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aaaaaagttt tgttctaaga ccanngaatn ggcagaatga agtggngaag gattagggag 180
antctggaat gacctnanta tggtagtagt gaagggaaga aggatcagtt aatncagtca 240
caancnnntg ctaactaacg ngcctcctnt ttatgtaagc nattagcanc ngtttcnnga 300
ggcagttgga aattaaaatn ttgatatatg ttacacacag ggcctgcac cacagtaggg 360
35 acttnatgnn ntntgggntc cagaagagca gtgctgaagg gacctgcagc taacttgaag 420
gtactctctg gtatatgcc ttttcctgct cccaggcca gcaggtggcc atcaagaaga 480
tacctaagtc ttttgatgtg gtgaccaatg ccaaacggac cctcagggag ctgaagatcc 540
tcaaacactt caaacacgac aatatcatcg ccatcaagga catcctgaag cctactgtgc 600
cctatggaga attcttc 617